

-2-

AMENDMENT TO THE CLAIMS

1. (currently amended) A method for creating a language model for a speech recognition system to disambiguate characters of an Asian language, the method comprising:

constructing a training corpus comprising the steps of:  
obtaining a dictionary of word phrases;  
for each word phrase of the dictionary list of word phrases comprising Kanji-based Asian characters, associating a character string of the word phrase and the word phrase with a context cue indicative of disambiguating the character string to automatically generate context cue phrases of the training corpus; and  
using the training corpus to building the language model as a function of the associated word phrases and character strings.

2. (original) The method of claim 1 wherein the language model comprises a statistical language model.

3. (currently amended) The method of claim 2 wherein the language model comprises an N-gram language model having probability information for the generated phrases.

4. (original) The method of claim 2 wherein the language model comprises a context-free-grammar.

5. Cancelled.

6. (original) The method of claim 1 wherein associating includes associating a first character of each word phrase with the word phrase.

-3-

7. (original) The method of claim 6 wherein associating includes associating another character of at least some of the word phrases, other than the first character, with the corresponding word phrases.

8. (original) The method of claim 7 wherein associating includes associating each character of at least some of the word phrases with the corresponding word phrases.

9. (original) The method of claim 7 wherein associating includes associating each character of each word phrase with the corresponding word phrase.

10. (currently amended) The method of claim 1 and further comprising adjusting a probability score for each of the associated characters ~~strings~~ and word phrases in the language model.

11 - 12. (cancelled)

13. (original) The method of claim 11 wherein the context cue comprises ~~of~~ in Chinese.

14. (original) The method of claim 11 wherein the context cue comprises ~~of~~ in Japanese.

15. (previously presented) The method of claim 1 wherein each of the word phrases is a single word comprising at least one character.

16. (currently amended) The method of claim 15 wherein each of the character ~~strings~~ is a single Kanji-based character.

-4-

17. (currently amended) The method of claim 1 wherein each of the characters strings is a single Kanji-based character.

18. (currently amended) A computer readable medium having instructions, which when executed by a processor perform a method for recognizing Kanji-based characters when spoken, the method comprising:

receiving input speech having a context cue phrase, the context cue phrase comprising a Kanji-based character string, a word phrase having the Kanji-based character string, and a context cue, wherein the context cue is indicative of disambiguating the character;

detecting the context cue phrase in the received input speech without prompting indicative of the character string as text;

executing instructions for accessing a language model, wherein the language model comprises an N-gram language model having probability information for the context cue phrases; and

outputting the character string as text without the word phrase and the context cue for the detected context cue phrase.

19 - 20. Cancelled.

21. (currently amended) The computer readable medium of claim 19 18, wherein outputting the character string includes outputting the character string as a function of recognizing the character string using the language model.

22 -23. Cancelled.

-5-

24. (currently amended) The computer readable medium of claim 21, wherein outputting the character ~~string~~—includes outputting the character ~~string~~—as only a function of an N-gram of the received input speech.

25. (currently amended) The computer readable medium of claim 21, wherein outputting the character ~~string~~—includes outputting the character ~~string~~—as a function of a comparison of a recognized character ~~string~~—with a recognized word phrase.

26. (currently amended) The computer readable medium of claim 25, wherein when the recognized character ~~string~~—is not present in the recognized word phrase, the character ~~string~~—that is outputted is a character ~~string~~—of the recognized word phrase.

27. (currently amended) The computer readable medium of claim 21, wherein the language model comprises a context-free-grammar.

28. (original) The computer readable medium of claim 18 wherein each of the word phrases is a single word.

29. (currently amended) The computer readable medium of claim 28 wherein each of the characters ~~strings~~—is a single Kani-based character.

30. (currently amended) The computer readable medium of claim 18, wherein each of the character ~~strings~~—is a single Kani-based character.

31. (currently amended) A computer readable medium having instructions, which when executed by a processor, for recognizing Kanji-based character strings when spoken, the instructions

-6-

comprising:

a language model indicative of context cue phrases and probability information for the context cue phrases, wherein the context cue phrases consisting essentially of associated Kanji-based character strings, word phrases having the character strings and context cues; and  
a recognition module for receiving data indicative of input speech, the recognition module detecting the presence of context cue phrases in the input speech without prompting indicative of character strings as text, accessing the language model, and outputting a Kanji-based character string as text for at least some detected context cue phrases spoken by the user based on the probability information in the language model.

32. (previously presented) The computer readable medium of claim 31 wherein the recognition module processes detected context cue phrases differently than other input speech by outputting only the character strings in the detected context cue phrases.

33. (original) The computer readable medium of claim 31 wherein the language model comprises a statistical language model.

34. (original) The computer readable medium of claim 31 wherein the language model comprises an N-gram language model.

35. (original) The computer readable medium of claim 31 wherein the language model comprises a context-free-grammar.

36. (original) The computer readable medium of claim 31 wherein the recognition module outputs the character string as a function of a comparison of a recognized character string with a recognized word phrase.

-7-

37. (original) The computer readable medium of claim 36 wherein when the recognized character string is not present in the recognized word phrase, the character string that is outputted is a character string of the recognized word phrase.

38. (original) The computer readable medium of claim 31 wherein each of the word phrases is a single word.

39. (original) The computer readable medium of claim 38 wherein each of the character strings is a single character.

40. (original) The computer readable medium of claim 31 wherein each of the character strings is a single character.